

# Station Development Program

## Pearl Highlands, Pearlridge, & Aloha Stadium



This meeting is held in compliance with  
Programmatic Agreement Stipulation IV. B

Highlands Intermediate School Cafeteria  
January 29, 2014

# 20 Miles with 21 Stations

Park-and-Ride Lots located at:  
East Kapolei, UH-West O'ahu, Pearl Highlands, Aloha Stadium



2

H O N O L U L U   R A I L   T R A N S I T   P R O J E C T

[WWW.HONOLULUTRANSIT.ORG](http://WWW.HONOLULUTRANSIT.ORG)

**HART**  
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

# Operating Details

## When will trains run?

- 4 a.m. to midnight
- Every 5 minutes during peak travel times
- Every 11 minutes during non-peak travel times
- Single systemwide fare system for rail and TheBus
- ADA compliant
- Bicycles, surfboards, wheelchairs, strollers, and luggage allowed
- Free Wi-Fi

## How fast will trains travel?

- 55 mph top speed & 30 mph average including station stops



# *Your Feedback Shapes Your Station*

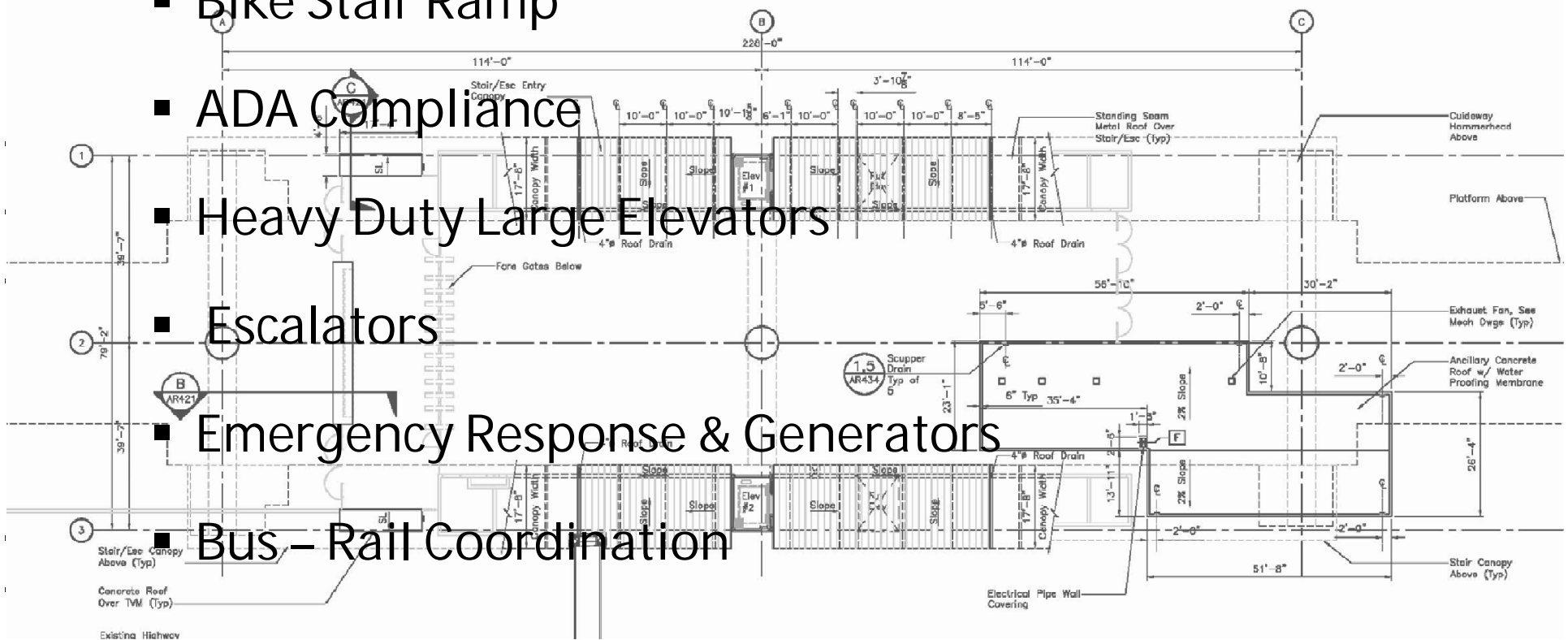
## Kamehameha Highway Station Group

- Open Spaces - Breeze Flows Through
- Rain Protection - Entry to Boarding
- Colors and Finishes Reflect Hawai'i
- Cultural / Historical Motifs & Artwork
- Landscaping Incorporates Indigenous Plants
- Hawaiian Station Names



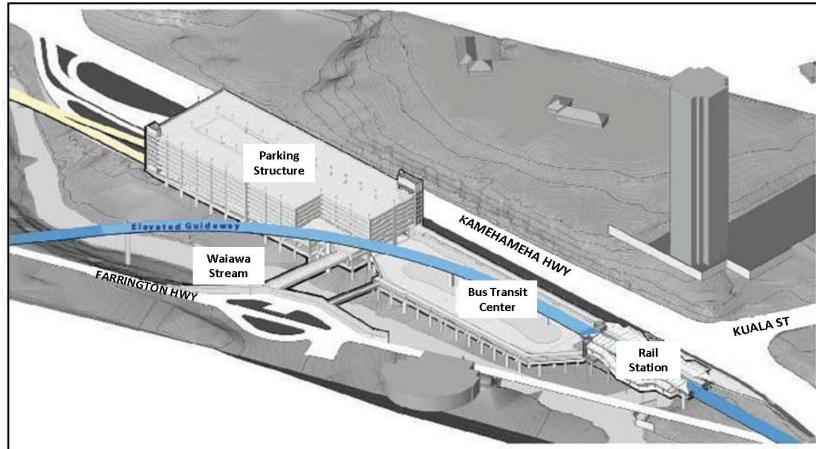
# Kamehameha Highway Station Group

- System-Wide Security: CCTV in Stations & Vehicles
- Bike Stair Ramp
- ADA Compliance
- Heavy Duty Large Elevators
- Escalators
- Emergency Response & Generators
- Bus – Rail Coordination





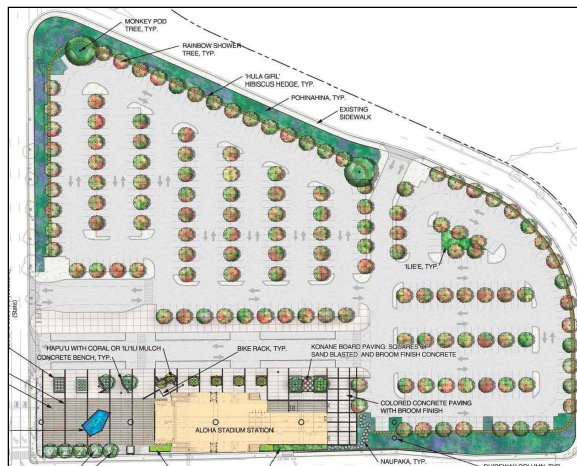
# Station Park-and-Ride Facilities



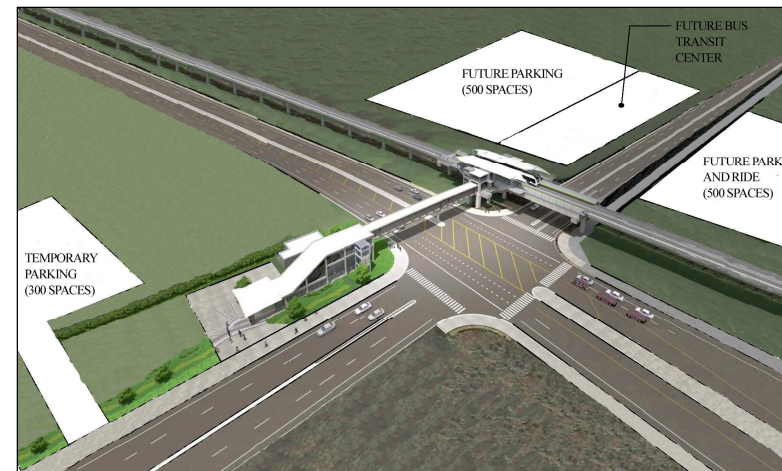
Pearl Highlands (1,600 spaces)



East Kapolei (900 spaces)



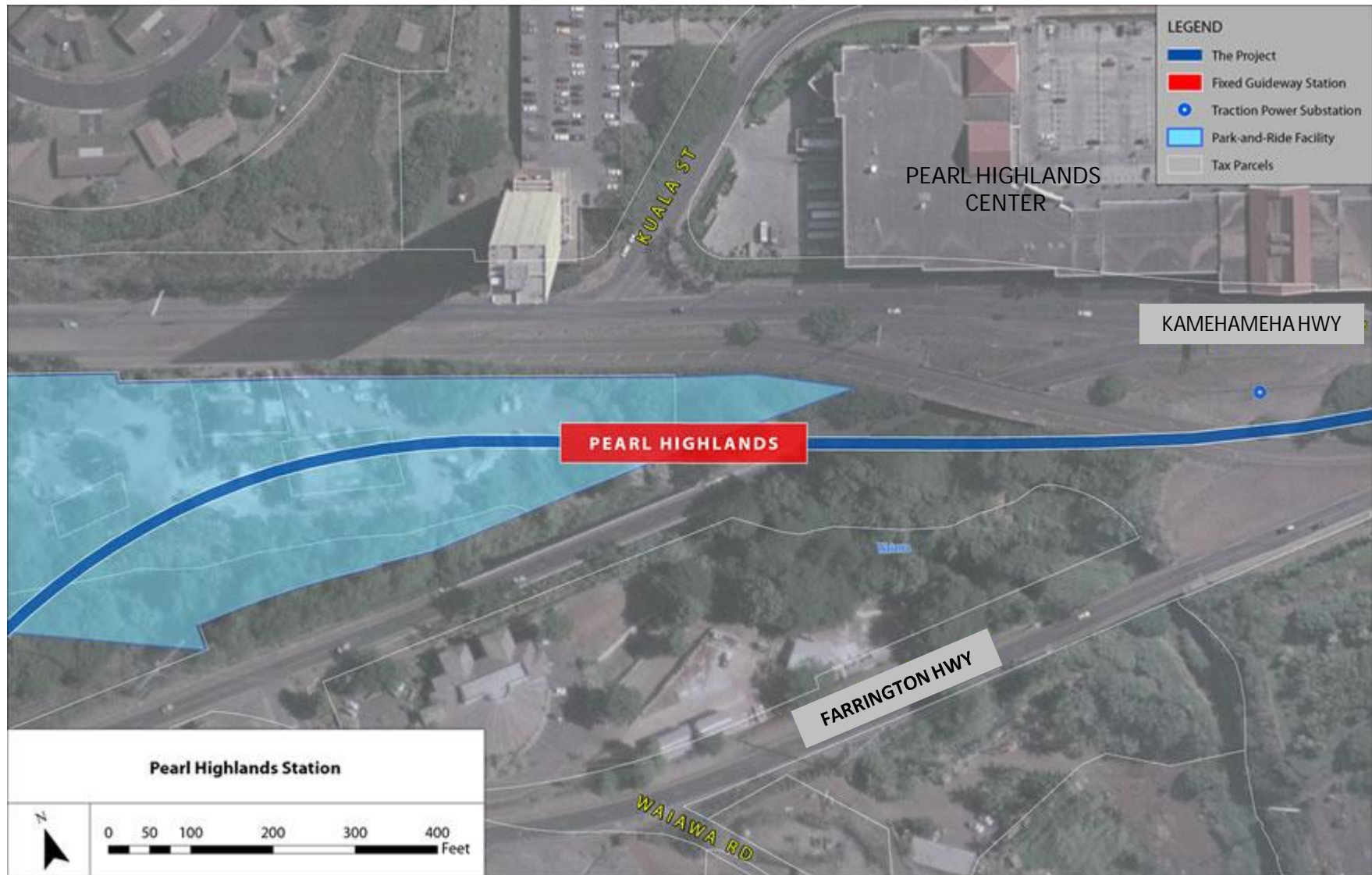
Aloha Stadium (600 spaces)



UH West O'ahu (1,000 spaces)

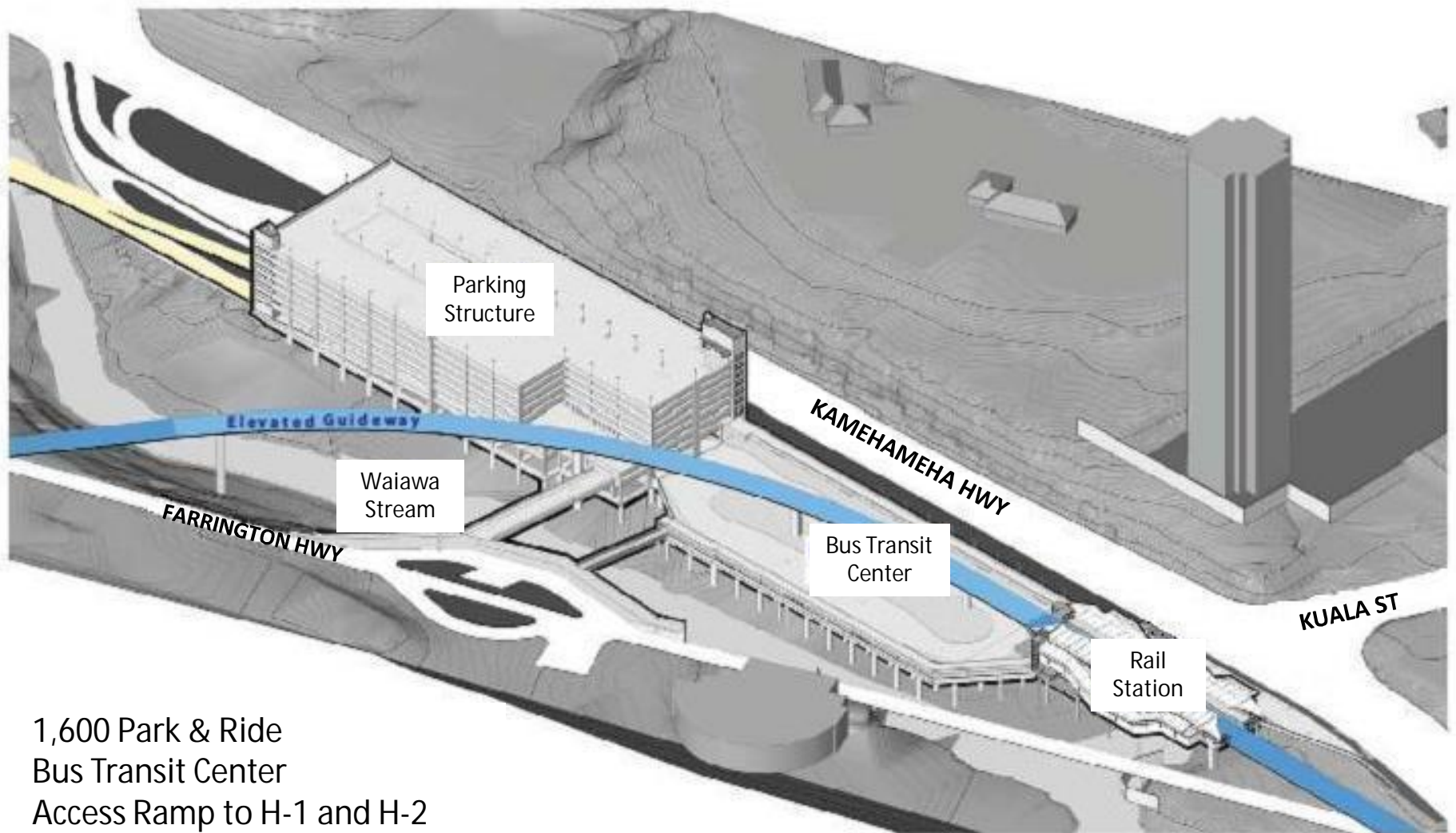
# Pearl Highlands, Pearlridge, & Aloha Stadium Stations

# Pearl Highlands Station





# Pearl Highlands Station



1,600 Park & Ride  
Bus Transit Center  
Access Ramp to H-1 and H-2



Pearl Highlands Station – Kamehameha Highway View



# Pearlridge Station







Pearlridge Station Kamehameha Highway View

# Aloha Stadium Station







Aloha Stadium Station View from Stadium Parking



# Station Development Programs

# Landscape Plan

## Pearl Highlands Station



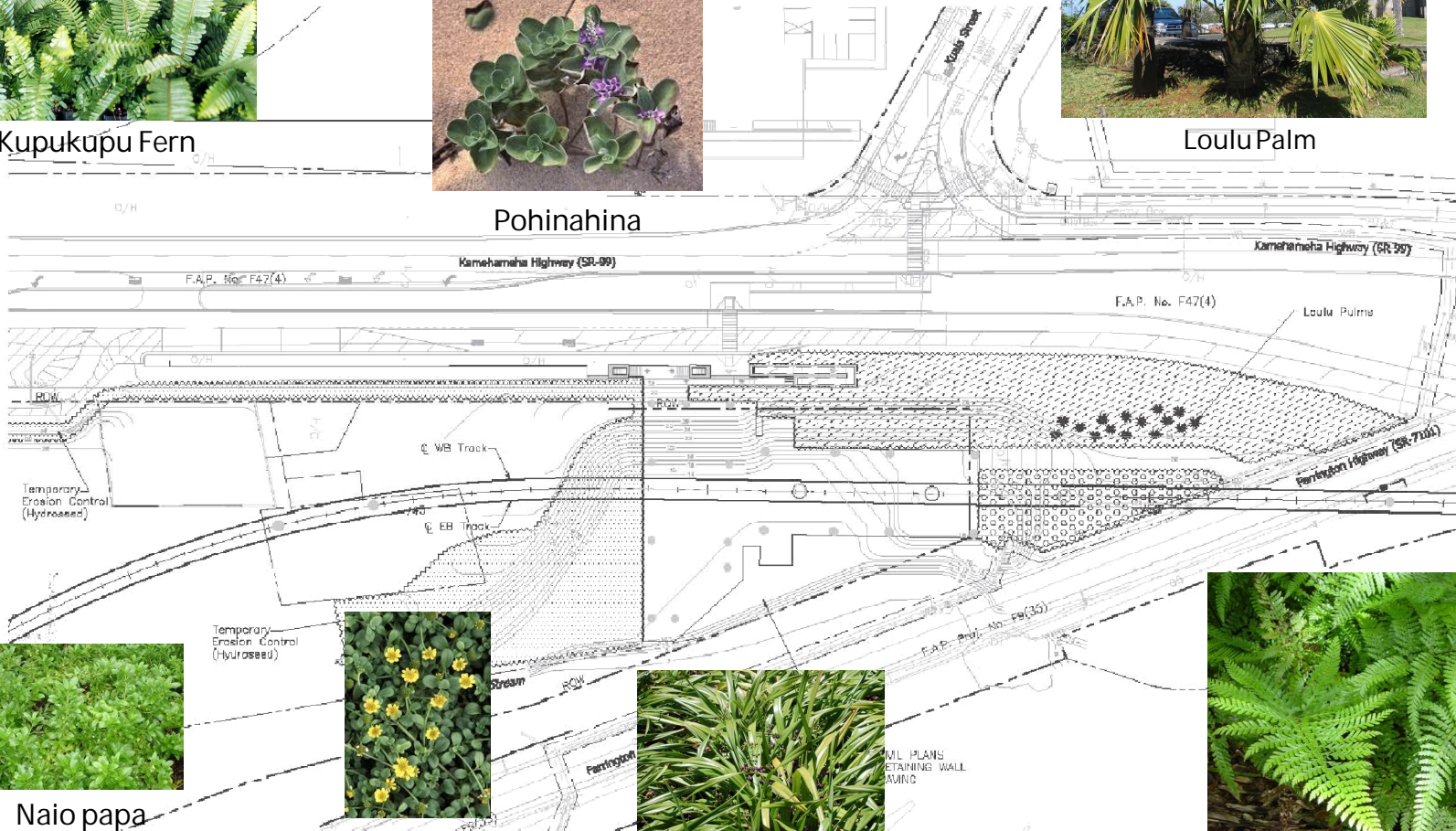
Kupukupu Fern



Pohinahina



Loulu Palm



Naio papa



Nehe

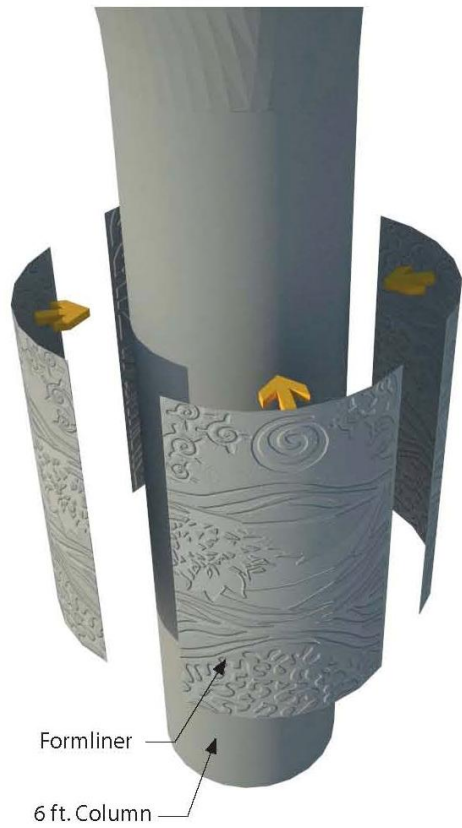


'Uki 'Uki



Palapalai Fern

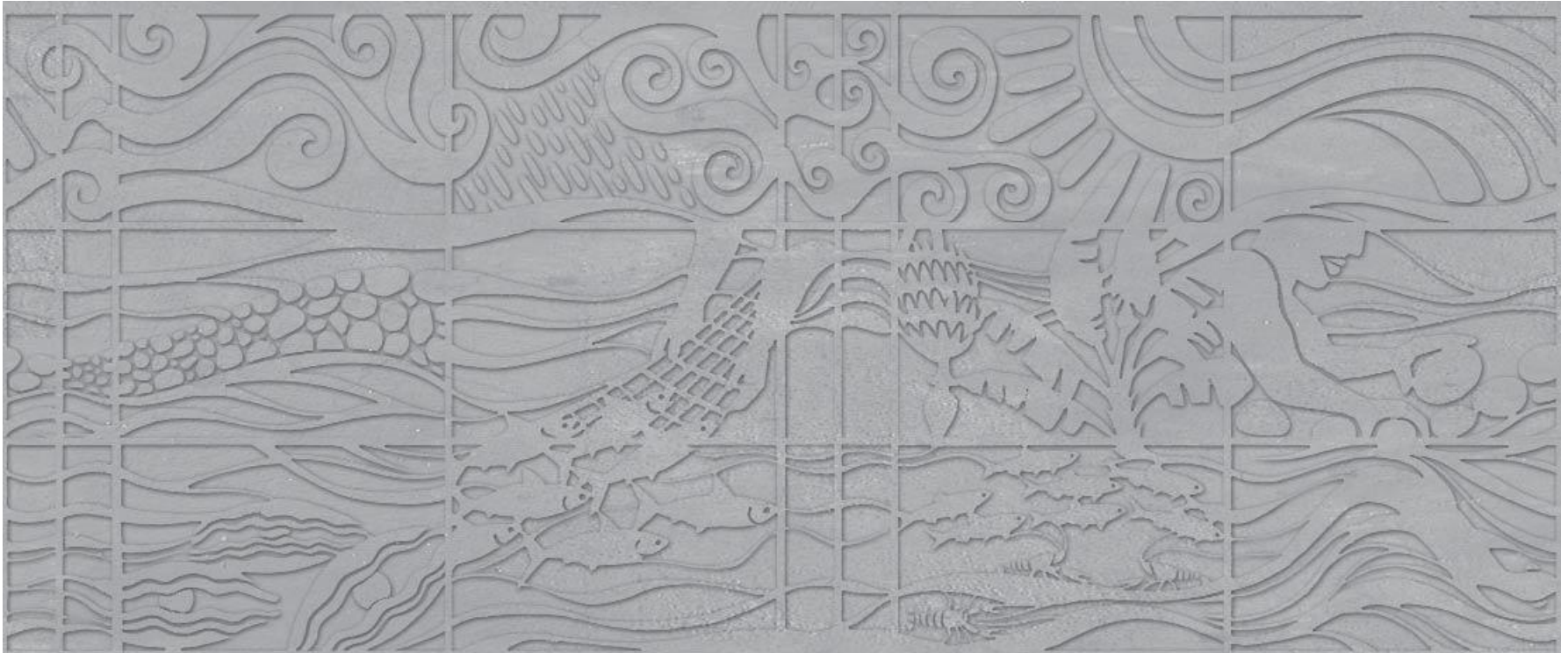
# Aesthetic Column Program





# Aesthetic Column Program

## Pearl Highlands Station Columns



Celebrates the mo'olelo of *Wai Momi*, Pearl Waters, and the natural resources that nourished the abundant fishponds and agriculture of the area.

# Interpretive Signage Program

## *Hawaiian Quilts: Lei of Love*



he boldly graphic floral designs of Hawaiian appliqué quilts remind us that love and respect for nature permeated every aspect of Hawaiian traditional culture. There is perhaps no more

romantic and universally recognized symbol of that love than the Hawaiian *lei*. Flowers, ferns and other foliage, as well as feathers, seeds and shells were strung, entwined, braided, or knotted to form *lei*. An integral part of everyday life, early accounts told of native Hawaiian women who "delight in flowers and wear wreaths on their heads . . . in the most beautiful way . . . always well chosen and in good taste."



Hula dancers bedecked in lei, pre-1900s



Wearing a variety of flower and seed lei, hula dancers pose in the studio, pre-1900s

In the language of Hawaiian chant, music and dance, many words had hidden meanings (*kaona*). Poetic references to *lei* really spoke of love and lovemaking. "Fragrant ginger, *'ilima*, *lehua*, *maile* and fern" described the sweethearts themselves. Beloved children, *nā pua* (flowers), also were called *lei*. Romantic love also found expression in the mists, rains, and the coolness of the upland forests. Many of the old Hawaiian quilt pattern names were likewise "shrouded in the mists of metaphor." Where more fitting than on their *kapa*—their bed quilts—should be expressed the language of love?

Quilts, like the *lei* of old, carried the *aloha* and the *mana* (power or spirit) of the maker and were seldom shared outside the *'ohana* (family) lest some harm befall the maker. Quilts

might be burned on the death of the quilt maker, or the quilter might be buried with her quilts in much the same way that *lei* might be dismantled or burned.

Precious feather, seed and shell *lei* were carefully stored when not in use. In many families, Hawaiian quilts were also carefully stored away and displayed on beds only for special occasions. Children were raised knowing it was forbidden to ever sit on a quilt.



Hula Dancers at Iolani Palace, Kalia's birthday, 1886

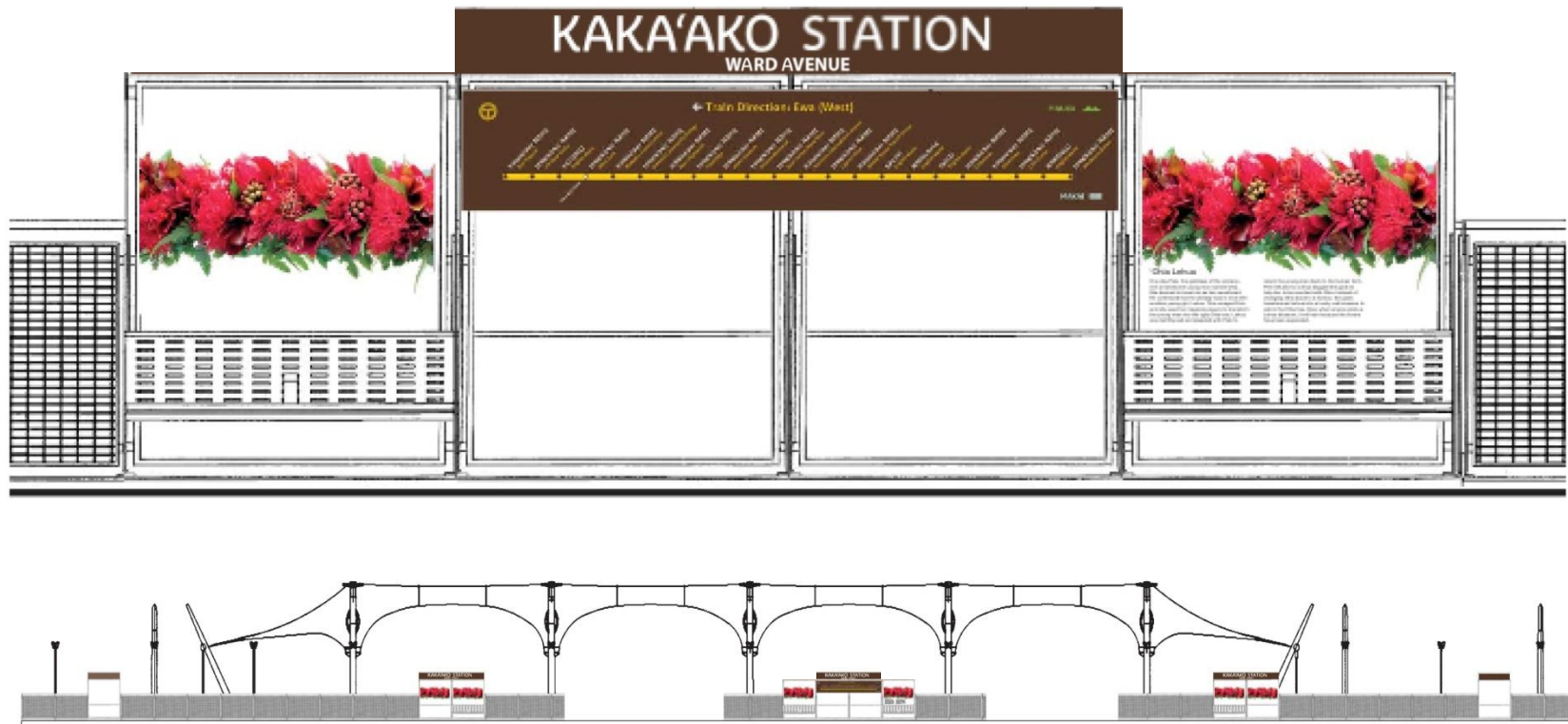
Mission Houses Museum, Honolulu

*"The interpretative plan will highlight historical themes (e.g. Native Hawaiian History, Native Hawaiian Culture, Immigrant History, Plantation Culture, Architecture, Government, Agriculture, Transportation, Military, etc..) and will interpret these themes at an appropriate station location."*

*-Programmatic Agreement, VII.A*

## Examples of Interpretive Signage

# Station Art Program



*A selection of flowers and plants used in the lei will be celebrated on each station platform windscreen. Educational interpretative text that highlights the cultural significance or traditions of the plant selection will be included.*

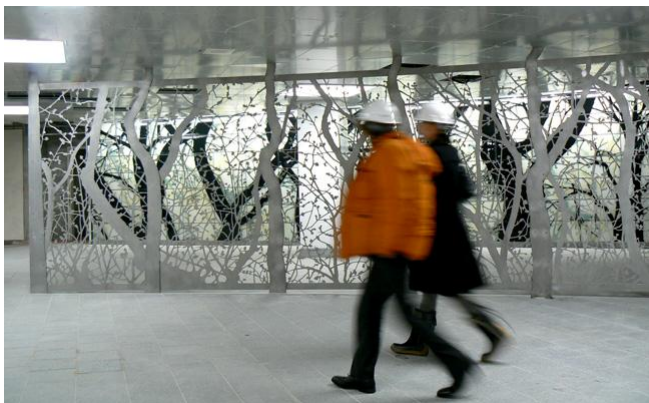
## Windscreen Design



# Station Art Program

## Art Opportunity Categories

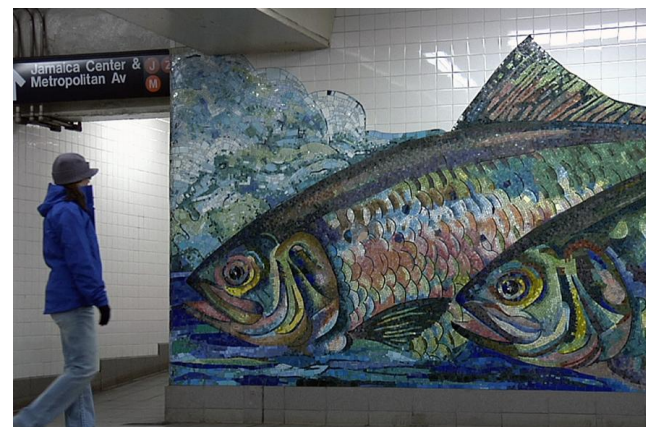
- Paving and Floor Designs
- Platform Glass Windscreens
- Wall Murals and Low reliefs
- Grille and Artistic Fencing
- Art Glass Windows
- Attached Architectural Elements



*See It Split, See It Change*, by Doug & Mike Starn,  
Fused glass panels & stainless steel fence  
South Ferry Station, 1 line, MTA - New York City Transit

## Types of materials

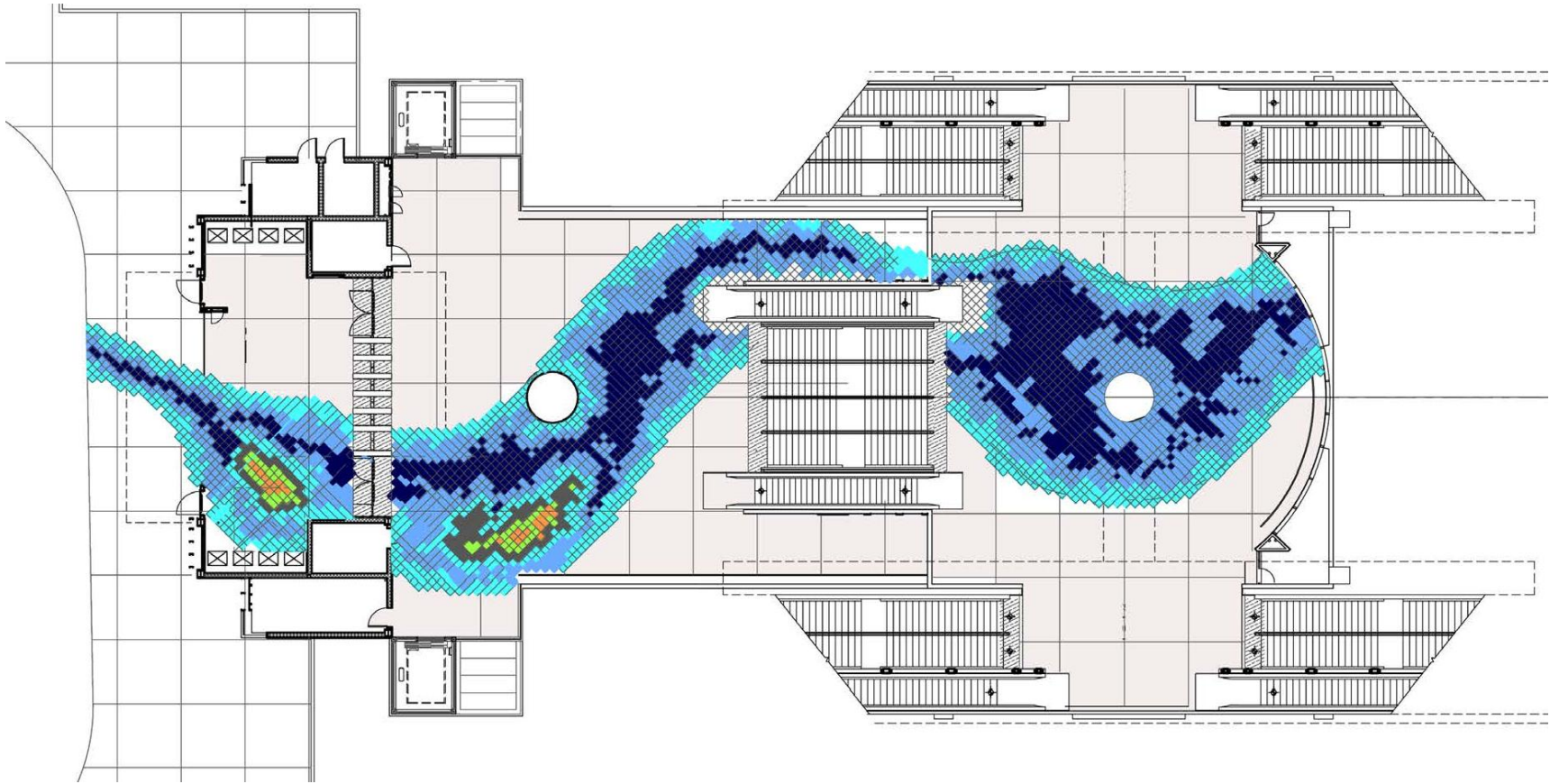
- Metal
- Stone
- Glass
- Concrete
- Ceramic
- Mosaic tile
- Other durable materials impervious to environmental conditions



*Shad Crossing* by Ming Fay  
Glass mosaic  
Delancey Street-Essex Street, MTA, New York City Transit

# Station Plaza Paving Program

## Pearl Highlands Station Entrance



First Flooring Paving Pattern

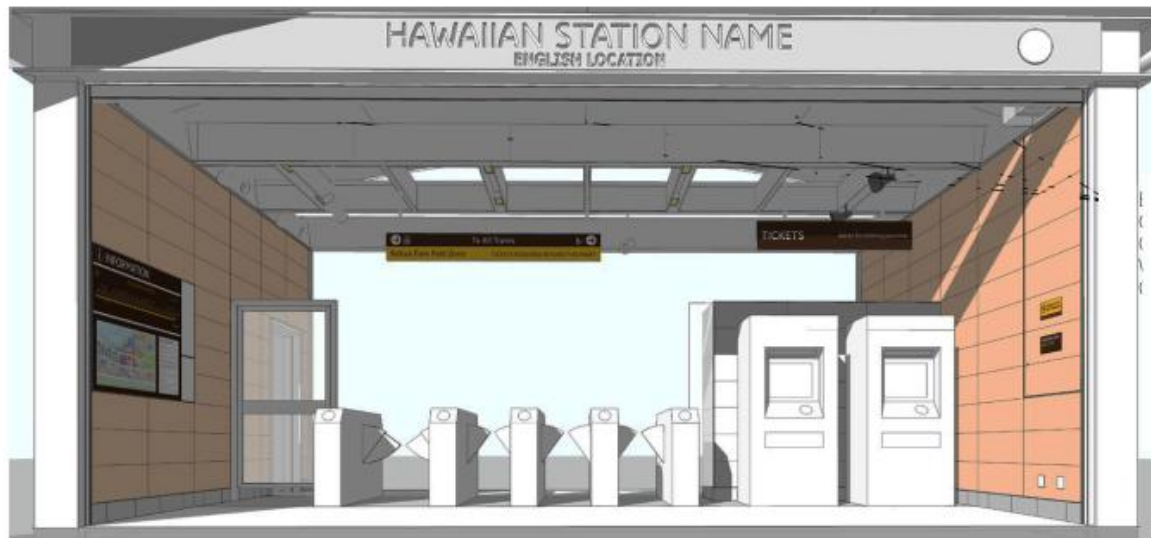


Continuation of Paving Pattern on Concourse

*Reflects Waiawa Stream — adjacent to the station*

# Station Naming Program

## HAWAIIAN STATION NAME STATION LOCATION



Station Entry Module

- Ticket Vending Machines (TVMs)
- Turnstiles & Wheelchair ADA Access
- Neighborhood & Station Locations Map
- Customer Information Phones
- Emergency Phones
- Public Address and Digital Variable Messages
- Directional Signage to Platform
- Automated External Defibrillator (AED)

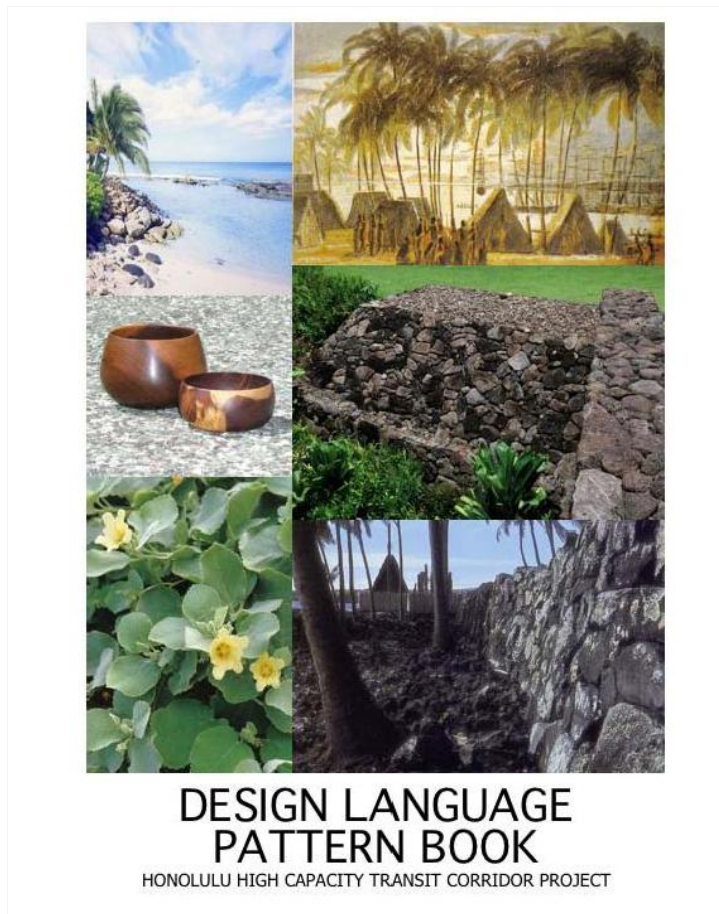
All stations will have Hawaiian Language names with location identification.



# Inspiration and References

## Design Language Pattern Book

### Examples of Utilization



Authored by Dan Chun, Architect, FAIA

- Use Hawaiian language place names for station—Station Naming Program will select Hawaiian language names for stations. Pgs. 44, 48
- Storytelling through design of transit system adds uniqueness—Aesthetic Column Program tells stories and displays iconography of the culture and history of station locations. Pg. 52
- Include visual connection to body of natural water—Pearl Highlands Station connects visually and symbolically to Waiawa Stream. Pg. 7
- Maintain or create axial *mauka-makai* views from and through stations—Stations are open with *mauka-makai* views. Pg. 10
- Embody Honolulu and Hawaii's rich cultural heritage in physical form—Six Station Development Programs will be integrated into stations. Pg. 2

# Inspiration and References

## Traditional Cultural Properties Reports



Authored by Kumu Pono Associates,  
Kepa Maly & Onaona Maly

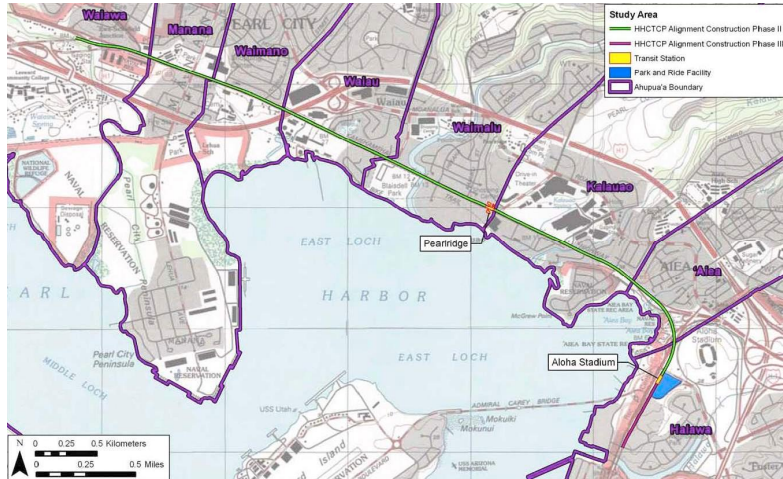
### Examination of the Cultural and Historical Records and Oral Histories

#### *Places of religious and cultural significance*

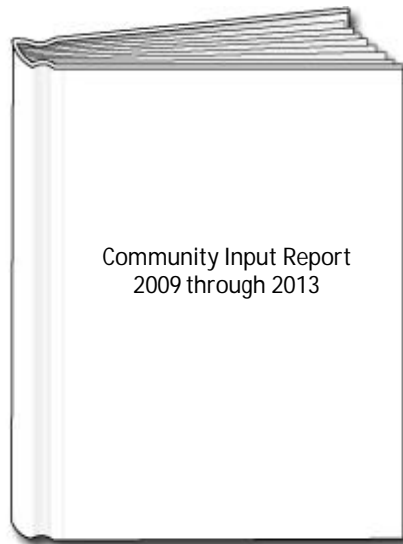
- Major mo'olelo (legends) and Themes
- Wahi pana (Sacred and Storied places)
- Inoa 'Āina (named places)
- Site Maps to locate wahi pana and Inoa 'Āina
- Identify eligible sites for submittal to National Registry

# Inspiration and References

## Archeological Inventory Survey Reports



Authored by Cultural Surveys Hawai'i, Inc.



### Account of the Natural Environment

- Soils, rainfall, terrain & waterways

### Historical Background

- Political and Cultural
- Agricultural
- Land use and ownership
- Military

### Mythological and Traditional Accounts

- Hawaiian Mo'olelo (legends)

## Community Comments – *You asked, we listened.*

Over 300 comments considered –

**Colors:** Incorporate earth tone colors

**Landscaping:** Use indigenous plants

**History:** Interpretive, historical artwork in station tiles

**Signage:** Use Hawaiian and English language



# Stay Connected

**24-Hour Project Hotline: (808) 566-2299**

**Project Website: [www.HonoluluTransit.org](http://www.HonoluluTransit.org)**

**Project eMail: [info@HonoluluTransit.org](mailto:info@HonoluluTransit.org)**

